



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D3404-1
Job Sheet 172844



Part No: D3404-1

Job Qty: 60 ea

Part Name: Ground Handling Wheel Lug



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 2/22/18

Job Tracking No:

Due Date: 3/12/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG REV C IPP Rev:A 05.09.01 New issue KJ/JLM IPP rev B 09.01.28 new geometry rev.C EC verified by:DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	60 Ea		3/9/18	0.00	0.00	Start Up Machining-2		
100	Bandsaw	60 pcs		3/9/18	0.00	1.16	Bandsaw1		18/3/22
110	CNC Vertical Machining	60 pcs		3/12/18	0.09	28.30	HAAS1-3		
120	Purchasing	60 pcs		3/12/18	0.00	0.00	Purchasing	P0039407 CT 18-03-22	AT 18/04/18
125	Packaging	60 pcs		3/12/18	0.00	0.00	Packaging2		AT 18/04/18
140	Packaging	60 pcs		3/12/18	0.00	0.00	Packaging3-1		DLC 13/04/18
150	QC21-SA	60 Ea		3/12/18	0.00	0.00	QC21		

DAS

APR 04 2018

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M304B0.750X2.500	304 Bar .750 X 2.50	13.7460 ft (.2291 ea)	90-Start up Operation 115 Purchasing	5048657 S057700

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation Purchasing	M304B0.750X2.500 D3404-1P	14	14	0

Part Specifications

Specifications could not be found.



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Plex 2/22/18 7:26 AM Dart.lajeunesse.marie

Container No: S054058



Part: D3404-1

Job No: 172844

Serial No/Batch: S054058

Revision:

Inspector:

Date: 03/22/18

130 - QCL6

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																								
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Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval																																																								
Job No: 172844 Mtg Date: 04/03/18 Packaging Change No: Operation: Revision: Serial No/Batch: S057705 PART NO: D3404-1 Ground Handling Wheel Lug				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																								
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="4" style="text-align: left; padding: 5px;">Root Cause</th> </tr> <tr> <td style="width:15%; padding: 5px;">Environment</td> <td style="width:15%; padding: 5px;">☐</td> <td style="width:15%; padding: 5px;">No Re-vericat</td> <td style="width:15%; padding: 5px;">☐</td> </tr> <tr> <td style="padding: 5px;">Design</td> <td style="padding: 5px;">☐</td> <td style="padding: 5px;">Operator</td> <td style="padding: 5px;">☐</td> </tr> <tr> <td style="padding: 5px;">Doc/Data</td> <td style="padding: 5px;">☐</td> <td style="padding: 5px;">Offset/Setup</td> <td style="padding: 5px;">☐</td> </tr> <tr> <td style="padding: 5px;">Equip/Tooling</td> <td style="padding: 5px;">☐</td> <td style="padding: 5px;">Supplier</td> <td style="padding: 5px;">☐</td> </tr> <tr> <td style="padding: 5px;">Handling/Pre</td> <td style="padding: 5px;">☐</td> <td style="padding: 5px;">Training</td> <td style="padding: 5px;">☐</td> </tr> <tr> <td style="padding: 5px;">Material</td> <td style="padding: 5px;">☐</td> <td style="padding: 5px;">Use for Testing</td> <td style="padding: 5px;">☐</td> </tr> <tr> <td style="padding: 5px;">Internal Transport</td> <td style="padding: 5px;">☐</td> <td style="padding: 5px;">Poor Information</td> <td style="padding: 5px;">☐</td> </tr> <tr> <td style="padding: 5px;">Tribal Knowledge</td> <td style="padding: 5px;">☐</td> <td style="padding: 5px;">Rushing</td> <td style="padding: 5px;">☐</td> </tr> <tr> <td style="padding: 5px;">LOA</td> <td style="padding: 5px;">☐</td> <td style="padding: 5px;">Product Improvement</td> <td style="padding: 5px;">☐</td> </tr> <tr> <td style="padding: 5px;">Substation</td> <td style="padding: 5px;">☐</td> <td style="padding: 5px;">Process Improvement</td> <td style="padding: 5px;">☐</td> </tr> <tr> <td style="padding: 5px;">Past Expiry Date</td> <td style="padding: 5px;">☐</td> <td style="padding: 5px;">Manufacturing Process</td> <td style="padding: 5px;">☐</td> </tr> <tr> <td style="padding: 5px;">Misidentified</td> <td style="padding: 5px;">☐</td> <td style="padding: 5px;">Past Due</td> <td style="padding: 5px;">☐</td> </tr> <tr> <td colspan="4" style="padding: 5px;">OTHER : _____</td> </tr> </table>					Root Cause				Environment	☐	No Re-vericat	☐	Design	☐	Operator	☐	Doc/Data	☐	Offset/Setup	☐	Equip/Tooling	☐	Supplier	☐	Handling/Pre	☐	Training	☐	Material	☐	Use for Testing	☐	Internal Transport	☐	Poor Information	☐	Tribal Knowledge	☐	Rushing	☐	LOA	☐	Product Improvement	☐	Substation	☐	Process Improvement	☐	Past Expiry Date	☐	Manufacturing Process	☐	Misidentified	☐	Past Due	☐	OTHER : _____			
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DQA: 7 _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER :					



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO039407**

Supplier: MEM001-VC
Metec Metal Technology Inc.
20 Terry Fox Drive PO Box 781
Vankleek Hill
ON
K0B 1R0 Canada
Phone: 613 678 3957
Fax: 613 678 3956

Attention: Walz, Shigi

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO039407
PO Date: 3/23/18
Due Date: 4/2/18
Purchase Order Revision:
Revision Date:
Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Part	Supplier Part No	Item No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	D3404-1P			Ground Handling Wheel Lug	Firmed	3/28/18	30 Ea	0 Ea	30 Ea	\$29.90/Ea	\$897.00
			172845				✓ 30 Ea			AT 18/3/18	
			172845-A		Firmed	4/5/18	10 Ea	0 Ea	10 Ea	\$29.90/Ea	\$299.00
							10 Ea			AT 18/6/18	
					Sub Total:		40	0	40		\$1,196.00
2	D3404-1P			Ground Handling Wheel Lug	Firmed	3/28/18	60 Ea	0 Ea	60 Ea	\$29.90/Ea	\$1,794.00
			172844				✓ 60 Ea			AT 18/6/18	
										Grand Total:	\$2,990.00

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 3/28/18 8:53 AM dart.lavoie.chantal



20 Terry Fox Drive, Vankleek Hill, Ontario K0B 1R0

Tel. (613) 678-3957 & (613) 678-2782 Fax (613) 678-3956 metec@metec.ca

CERTIFICATE OF CONFORMITY

SOLD TO:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ont.
K6A 1K7

SHIPPED TO:

same

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>PART NAME</u>		<u>P.O. NUMBER</u>
72	D3404-1	Ground Handling Wheel Lug	Batch # S054066 or S054054	39407

Material supplied by DART

We hereby certify that the above parts were made in conformance with applicable drawings.

METEC Metal Technology Inc.

Heather Nixon

Vankleek Hill, March 29, 2018